



**PERMIT INFORMATION**

<b>Permit Number:</b> C-1996-084 <b>Mine Name:</b> Lorencito Canyon Mine <b>Operator:</b> New Elk Coal Company, LLC <b>Operator Address:</b> Mr. Louis Head 12250 Highway 12 Weston, CO 81091	<b>County:</b> Las Animas <b>Operation Type:</b> Surface <b>Permit Status:</b> Permanent Cessation <b>Ownership:</b> Private
	<b>Operator Representative Present:</b>  Nick Mason
<b>Operator Representative Signature: (Field Issuance Only)</b>  	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> April 10, 2018 <b>Inspection Start Time:</b> 09:30 <b>Inspection End Date:</b> <b>Inspection End Time:</b>		<b>Inspection Type:</b> Coal Partial Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Clear	
<b>Joint Inspection Agency:</b>  None		<b>Joint Inspection Contacts:</b>	
<b>Post Inspection Agency:</b>  None		<b>Post Inspection Contacts:</b>	
<b>Inspector(s):</b>  Robert D. Zuber, P.E.	<b>Inspector's Signature:</b>  <i>Robert D. Zuber</i>		<b>Signature Date:</b>  4/16/2018

**Inspection Topic Summary**

NOTE: Y=Inspected N=Not Inspected R=Comments Noted V=Violation Issued NA=Not Applicable

NA - Air Resource Protection

N - Availability of Records

NA - Backfill &amp; Grading

R - Excess Spoil and Dev. Waste

NA - Explosives

N - Fish &amp; Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

Y - Roads

R - Reclamation Success

Y - Revegetation

NA - Subsidence

Y - Slides and Other Damage

NA - Support Facilities On-site

N - Signs and Markers

N - Support Facilities Not On-site

N - Special Categories Of Mining

N - Topsoil

**COMMENTS**

A partial inspection was conducted by Rob Zuber of DRMS on April 10, 2018. The weather was clear, and the ground was dry. Nick Mason of NECC was present for the inspection.

**EXCESS SPOIL and DEVELOPMENT WASTE – Rule 4.09**

Placement; Drainage Control; Surface Stabilization:

Fills 7, 8, and 9 were inspected. All were generally in good condition with good vegetation cover.

**HYDROLOGIC BALANCE - Rule 4.05**

Drainage Control 4.05.1, 4.05.2, 4.05.3; Siltation Structures 4.05.5, 4.05.6; Discharge Structures 4.05.7, 4.05.10; Diversions 4.05.4; Effluent Limits 4.05.2; Ground Water Monitoring 4.05.13; Surface Water Monitoring 4.05.13; Drainage – Acid and Toxic Materials 4.05.8; Impoundments 4.05.6, 4.05.9; Stream Buffer Zones 4.05.18:

Three ponds were inspected: 5, 6, and 8. Pond 5 was dry. None of them were discharging. No problems were identified with embankments or spillways. The number and sizes of holes on the riser pipes for these three ponds met the Pond Schedule (Figure Ex. 15-14 in the PAP).

The small unnumbered ditch in the Pond 5 watershed (south of ditch D16) was inspected. The banks are not armored well but tree branches appear to be limiting the erosion of this feature.

Ditch D15 was found to be in good shape with a much larger cross section at the bottom (approximately five feet deep and 10-foot top width) than at the top of the ditch, where the depth is approximately two feet and the top width is approximately four feet. Ditch D16 should be maintained as it is somewhat eroded. No problems were identified with Ditch D9.

Culverts C11 and C12 were clear with no erosion below them.

Number of Partial Inspection this Fiscal Year: 9

Number of Complete Inspections this Fiscal Year: 3

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

Rills above the pond cleaning dump area could use repair but this is not urgent. Rill repair is also needed near the shrub plot, on all three uphill sides.

### **ENFORCEMENT ACTIONS/COMPLIANCE**

No enforcement actions were initiated as a result of this inspection, nor are any pending.

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**PHOTOGRAPHS**



**Ditch in Pond 5 watershed**



**Fill 8**

Number of Partial Inspection this Fiscal Year: 9

Number of Complete Inspections this Fiscal Year: 3





**West side of “the knob” and top of Fill 8 (on left)**

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Number of Complete Inspections this Fiscal Year: 3



**Ditch D16**



**Ditch D9**

Number of Partial Inspection this Fiscal Year: 9

Number of Complete Inspections this Fiscal Year: 3





**Fill 7**



**Fill 9, with Pond 9a in background**

Number of Partial Inspection this Fiscal Year: 9

Number of Complete Inspections this Fiscal Year: 3